



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/072,383	02/08/2002	Charles J. Kulas	CJK-5	4883
36707	7590	11/29/2005	EXAMINER	
CHARLES J. KULAS 651 ORIZABA AVE. SAN FRANCISCO, CA 94132			PATEL, NITIN	
			ART UNIT	PAPER NUMBER
			2673	

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/072,383	Applicant(s) KULAS, CHARLES J.	
	Examiner Nitin Patel	Art Unit 2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) 9-17, 19 and 20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 18 and 21-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1,2,5,6,7,8,21,22 are rejected under 35 U.S.C. 112, first paragraph, as based on a disclosure which is not enabling. The new limitation three dimensional is not in the part of the specification, critical or essential to the practice of the invention, but included in the claim(s) is not enabled by the disclosure. See *In re Mayhew*, 527 F.2d 1229, 188 USPQ 356 (CCPA 1976).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Art Unit: 2673

3. Claims 1-8,18,21-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Welker et al., (U.S. Patent No. 6,570,546 B1).

As per claim 1, Welker shows determining the positions of multiple display screens (in Fig.7); and generating display information for the display screens by using the determined positions so that different portions of a single scene are displayed upon multiple display screens at the same time to provide a coherent view of the scene from at least one viewpoint (in col.6 lines 33-50).

As per claim 2, Welker shows a user input device (element 36 and 38 In Fig.12) is coupled to a first digital processor (in Fig.12 element 34), the method further comprising using the first digital processor to receive signals from the user input device to obtain information to, at least in part, describe the position of a display screen.

As per claim 3, Welker shows the user input device includes a position sensor (in Fig.7 element 402 and 404).

As per claim 4, Welker shows the user input device includes a numeric input, the method further comprising accepting signals from the user input device to allow a human user to specify a display screen's position information (in col.8 lines 60-67).

As per claim 5, Welker shows using multiple display screens in a presentation, the method comprising first sensing the positions of a plurality of display screens at a first time; providing the first sensed positions to a digital processor for rendering views for the plurality of display screens in accordance with the first sensed positions (In Col.8 lines 10-30); sensing the positions of the plurality of display screens at a second time; and providing the second sensed positions to a digital processor for rendering views for

Art Unit: 2673

the plurality of display screens in accordance with the second sensed positions 9in col.8 lines 45-67).

As per claim 6, Welker shows sensing the position of a display screen by accepting input from a human user (in fig.12 element 36 or 38).

As per claim 7, Welker shows automatically sensing the position of a display screen (in col.6 lines 33-37).

As per claim 8, Welker shows indicating to a human user preferred positions for two or more display screens; and rendering views for the two or more display screens in accordance with the preferred positions (in col. 6 lines 35-55 and Col.8 lines 10-35).

As per claim 18, Welker shows accepting signals from a user input device to modify a preferred position of at least one of the two or more display screens (In col.10 lines 12-20).

As per claim 21, Welker shows at least a portion of the scene to provide a coherent view (in col.9 lines 1-14 viewing as a one single monitor or individual monitors).

As per claims 22,23 Welker shows three positions detecting of a display to determine the dimension of the display (in col.8 lines 24-30).

As per claim 24-27, Welker shows sensor includes infrared, radio frequency and emitter (in col.10 lines 41-48).

As per claim 28, Welker shows to determined a display screen characteristic (in col.9 lines 1-14).

Response to Arguments

4. Applicant's arguments filed 9/12/2005 have been fully considered but they are not persuasive. See above rejection for 35 USC112.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

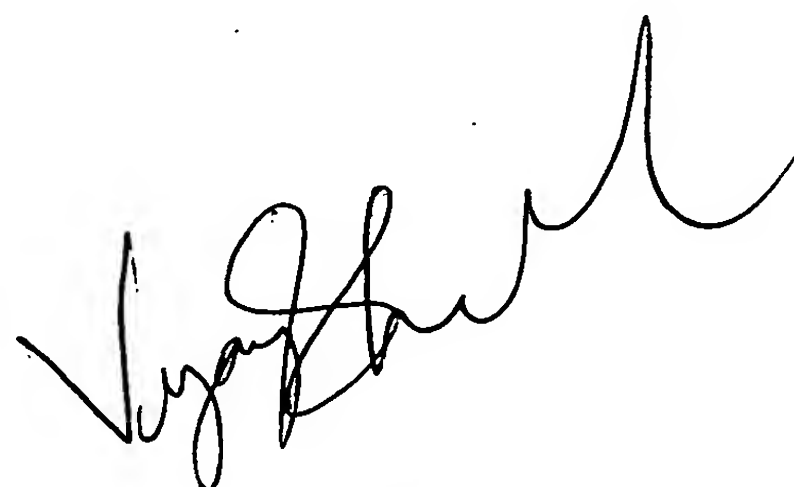
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2673

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP

November 28, 2005

A handwritten signature in black ink, appearing to read "Vijay Shankar", written in a cursive style.

VIJAY SHANKAR
PRIMARY EXAMINER